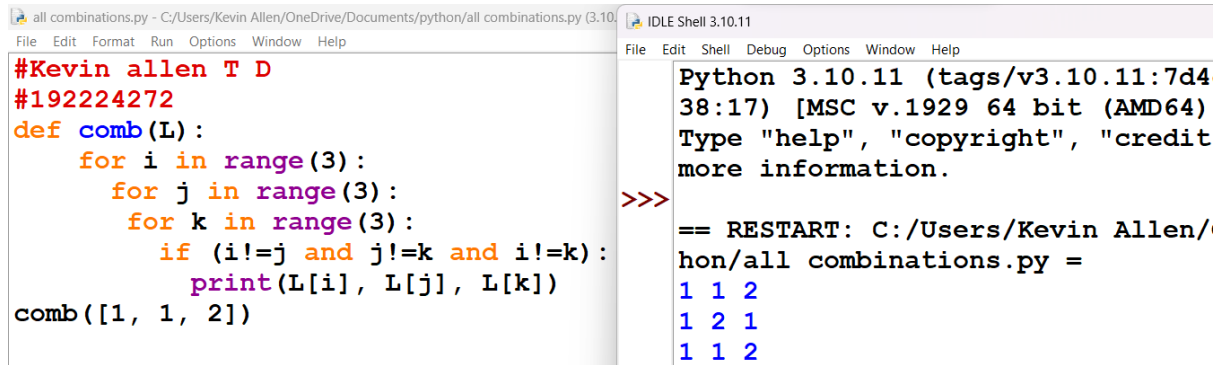


Assignment 4

CSA0882-Python programming

1.all possible combinations

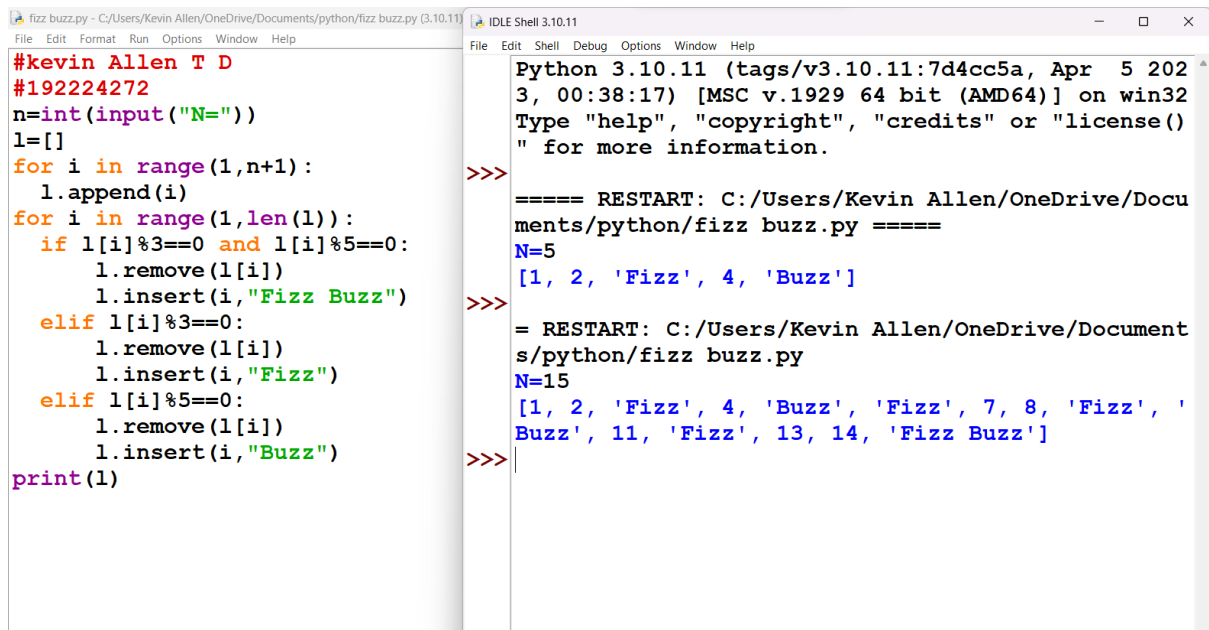


```
#Kevin allen T D
#192224272
def comb(L):
    for i in range(3):
        for j in range(3):
            for k in range(3):
                if (i!=j and j!=k and i!=k):
                    print(L[i], L[j], L[k])
comb([1, 1, 2])
```

```
Python 3.10.11 (tags/v3.10.11:7d4
38:17) [MSC v.1929 64 bit (AMD64)
Type "help", "copyright", "credit
more information.

>>>
== RESTART: C:/Users/Kevin Allen/hon/all combinations.py =
1 1 2
1 2 1
1 1 2
```

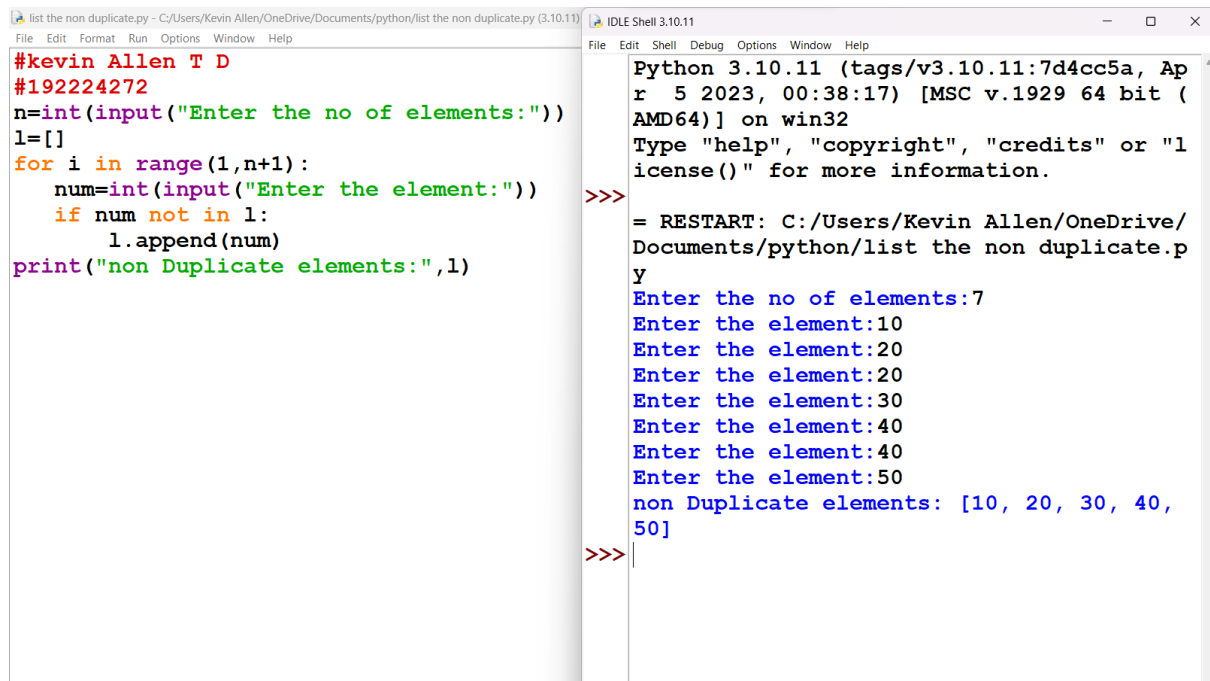
2.Fizz Buzz



```
#Kevin Allen T D
#192224272
n=int(input("N="))
l=[]
for i in range(1,n+1):
    l.append(i)
for i in range(1,len(l)):
    if l[i]%3==0 and l[i]%5==0:
        l.remove(l[i])
        l.insert(i,"Fizz Buzz")
    elif l[i]%3==0:
        l.remove(l[i])
        l.insert(i,"Fizz")
    elif l[i]%5==0:
        l.remove(l[i])
        l.insert(i,"Buzz")
print(l)
```

```
Python 3.10.11 (tags/v3.10.11:7d4cc5a, Apr 5 202
3, 00:38:17) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()"
>>>
===== RESTART: C:/Users/Kevin Allen/OneDrive/Docu
ments/python/fizz buzz.py =====
N=5
[1, 2, 'Fizz', 4, 'Buzz']
>>>
= RESTART: C:/Users/Kevin Allen/OneDrive/Document
s/python/fizz buzz.py
N=15
[1, 2, 'Fizz', 4, 'Buzz', 'Fizz', 7, 8, 'Fizz', '
Buzz', 11, 'Fizz', 13, 14, 'Fizz Buzz']
>>>
```

3.print non duplicate elements in list



The screenshot shows a Python IDE with two windows. The left window displays a script named 'list the non duplicate.py' with the following code:

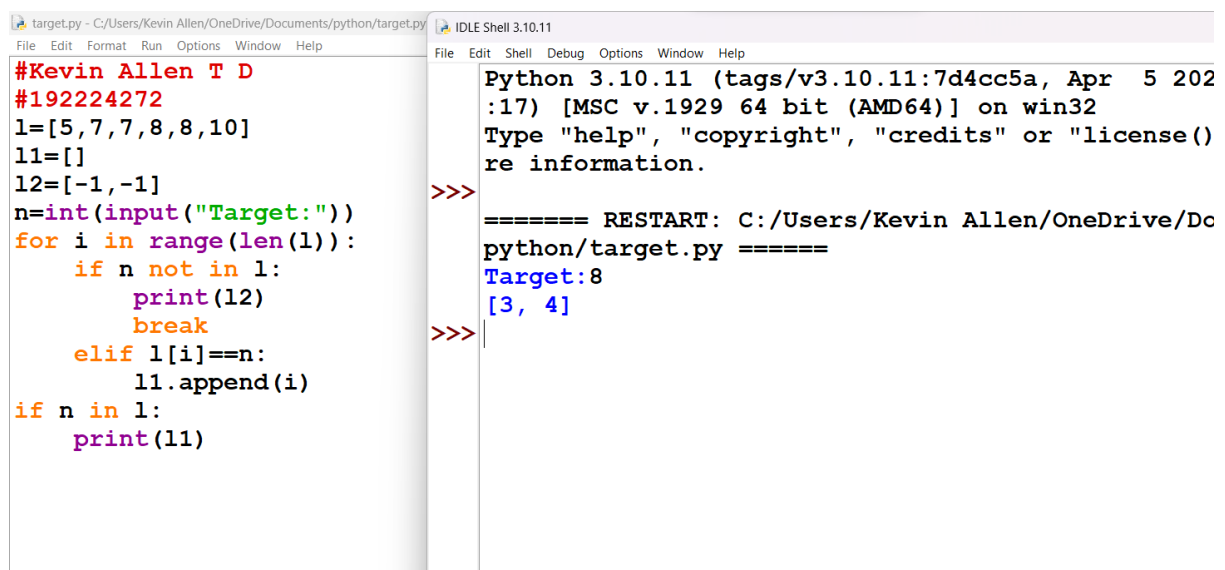
```
#Kevin Allen T D
#192224272
n=int(input("Enter the no of elements:"))
l=[]
for i in range(1,n+1):
    num=int(input("Enter the element:"))
    if num not in l:
        l.append(num)
print("non Duplicate elements:",l)
```

The right window shows the IDLE Shell 3.10.11 output:

```
Python 3.10.11 (tags/v3.10.11:7d4cc5a, Apr 5 2023, 00:38:17) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>
= RESTART: C:/Users/Kevin Allen/OneDrive/Documents/python/list the non duplicate.py
Enter the no of elements:7
Enter the element:10
Enter the element:20
Enter the element:20
Enter the element:30
Enter the element:40
Enter the element:40
Enter the element:50
non Duplicate elements: [10, 20, 30, 40, 50]
>>>
```

5.print the index of Target



The screenshot shows a Python IDE with two windows. The left window displays a script named 'target.py' with the following code:

```
#Kevin Allen T D
#192224272
l=[5,7,7,8,8,10]
l1=[]
l2=[-1,-1]
n=int(input("Target:"))
for i in range(len(l)):
    if n not in l:
        print(l2)
        break
    elif l[i]==n:
        l1.append(i)
if n in l:
    print(l1)
```

The right window shows the IDLE Shell 3.10.11 output:

```
Python 3.10.11 (tags/v3.10.11:7d4cc5a, Apr 5 2023, 00:38:17) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>
===== RESTART: C:/Users/Kevin Allen/OneDrive/Documents/python/target.py =====
Target:8
[3, 4]
>>>
```